SIRT1 Polyclonal Antibody

Catalog No: #27523

Package Size: #27523-2 100ul #27523-1 50ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

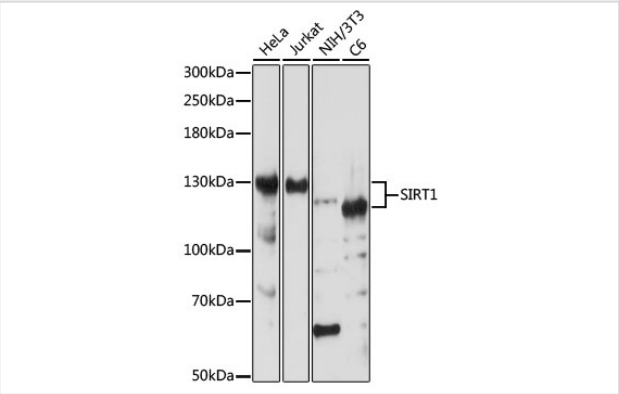
Description

Product Name	SIRT1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human SIRT1
Conjugates	Unconjugated
Other Names	SIR2;SIR2L1;SIR2alpha;SIRT1;sirtuin 1
Accession No.	Uniprot:Q96EB6GeneID:23411
Calculated MW	140kDa
SDS-PAGE MW	120kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

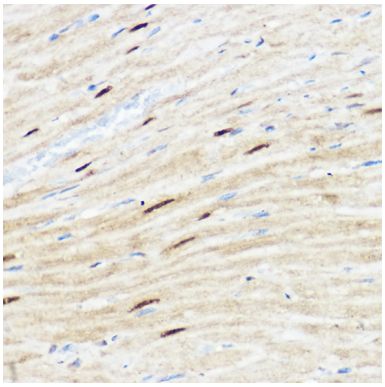
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

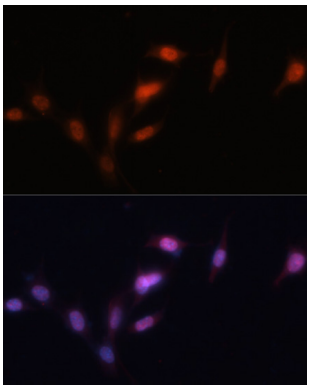
Images



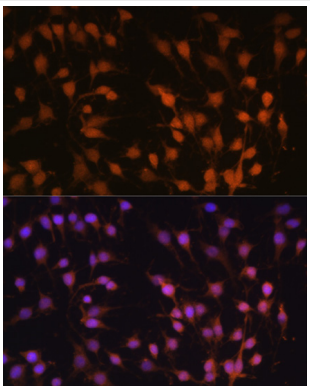
Western blot analysis of extracts of various cell lines, using SIRT1 antibody.



Immunohistochemistry of paraffin-embedded Mouse heart using SIRT1 antibody.



Immunofluorescence analysis of NIH-3T3 cells using SIRT1 antibody.



Immunofluorescence analysis of C6 cells using SIRT1 antibody.

Background

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants.

Published Papers

el at., Fucoidan modulates SIRT1 and NLRP3 to alleviate hypertensive retinopathy: in vivo and in vitro insights. In J Transl Med on 2024 Feb 15 by Jing Li, Xiaochen Wang,et al..PMID:38360728, , (2024)

PMID:38360728

Note: This product is for in vitro research use only and is not intended for use in humans or animals.